

**Cavitron® Steri-Mate® Handpiece Sterile Lavage Kit
(Dentsply Professional) (Project #09-009) (2/10)**



The Cavitron® Steri-Mate® Handpiece Sterile Lavage Kit consists of a Pressurized Infuser Bag and a Steri-Mate® Handpiece Adapter that is capable of delivering sterile lavage when used with a 30K Cavitron® Ultrasonic Scaler equipped with a Steri-Mate® Handpiece. The Cavitron® Steri-Mate® Handpiece Sterile Lavage Kit can be used during prophylaxis and periodontal treatments for supragingival and subgingival removal of calculus, plaque, and stains from teeth with sterile lavage delivery. The Steri-Mate® Handpiece Sterile Lavage Kit must be used with a 500 mL IV bag of sterile solution (purchased separately) for lavage. It also must be used with an IV administration set (purchased separately) with universal spike, slide clamp, and roller clamp to connect the 500 mL bag of sterile solution to the adapter. The Pressurized Infuser Bag has a one-year warranty and the Steri-Mate® Handpiece Adapter has a three-month warranty.



Manufacturer:

Dentsply Professional
1301 Smile Way
York, PA 17404
(800) 989-8825
(717) 767-8636
(800) 278-4344 FAX
<http://professional.dentsply.com>

Suggested Retail Price:

\$692.00 Cavitron® Steri-Mate® Handpiece Sterile Lavage Kit includes Pressurized Infuser Bag and Steri-Mate Handpiece Adapter (#81340)

\$200.00 Steri-Mate® Handpiece Adapter (#81645)

Government Price:

\$454.27 Cavitron® Steri-Mate® Handpiece Sterile Lavage Kit includes Pressurized Infuser Bag and Steri-Mate Handpiece Adapter (#81340)

\$135.65 Steri-Mate® Handpiece Adapter (#81645)

ADVANTAGES:

- + Reliable method to deliver sterile solutions during surgery
- + Uses sterile, single-use disposable tubing
- + Autoclavable adapter
- + Reliable performance during this evaluation
- + Easy to set up
- + Manufacturer instructions clear and complete

DISADVANTAGES:

- Water flow cannot be adjusted with foot pedal
- Can only be used with a 30K Cavitron® Ultrasonic Scaler equipped with a Steri-Mate® Handpiece

SUMMARY AND CONCLUSIONS:

The Cavitron® Steri-Mate® Handpiece Sterile Lavage Kit is designed to deliver sterile irrigation when used with a 30K Cavitron® Ultrasonic Scaler equipped with a Steri-Mate® Handpiece. The evaluators found that the unit was easy to install to the Cavitron®. Most evaluators reported that the product was easy to use, reliable, and provided an adequate irrigation flow. No problems were reported with the unit during the evaluation; however most of the evaluators had concerns with the irrigation system. The main shortcoming of the device was the lack of irrigation control from the foot pedal. Users have to manually control the water flow via the flow regulator on the IV tubing or have their dental assistant turn the water flow on and off. With respect to advantages, the clinical evaluators overwhelmingly appreciated the ability to deliver sterile irrigation when using an ultrasonic scaler during periodontal surgery. The **Cavitron® Steri-Mate® Handpiece Sterile Lavage Kit** is rated **Acceptable** for use in US Air Force dental facilities.